

(Transmittal Letter to the United States Elected Office (EO/US) [13-18]—page 1 of 9)

**NOTE:** To avoid abandonment of the application, the applicant shall furnish to the USPTO, not later than 20 months from the priority date: (1) a copy of the international application, unless it has been previously communicated by the International Bureau or unless it was originally filed in the USPTO; and (2) the basic national fee (see 37 C.F.R. § 1.492(a)). The 30-month time limit may not be extended. 37 C.F.R. § 1.495.

**WARNING:** Where the items are those which can be submitted to complete the entry of the international application into the national phase are subsequent to 30 months from the priority date the application is still considered to be in the international state and if mailing procedures are utilized to obtain a date the express mail procedure of 37 C.F.R. § 1.10 must be used (since international application papers are not covered by an ordinary certificate of mailing—See 37 C.F.R. § 1.8.

**NOTE:** Documents and fees must be clearly identified as a submission to enter the national state under 35 U.S.C. § 371 otherwise the submission will be considered as being made under 35 U.S.C. § 111. 37 C.F.R. § 1.494(f).

- I. Applicant herewith submits to the United States Elected Office (EO/US) the following items under 35 U.S.C. § 371:
- a. ☒ This express request to immediately begin national examination procedures (35 U.S.C. § 371(f)).
  - b. ☒ The U.S. National Fee (35 U.S.C. § 371(c)(1)) and other fees (37 C.F.R. § 1.492) as indicated below:

2. Fees

CLAIMS FEE	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
<input type="checkbox"/> *	TOTAL CLAIMS	15 - 20 =		× \$18.00 =	\$
	INDEPENDENT CLAIMS	1 - 3 =		× \$80.00 =	
	MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$270.00				
BASIC FEE**	<input type="checkbox"/> U.S. PTO WAS INTERNATIONAL PRELIMINARY EXAMINATION AUTHORITY Where an International preliminary examination fee as set forth in § 1.482 has been paid on the international application to the U.S. PTO: <input type="checkbox"/> and the international preliminary examination report states that the criteria of novelty, inventive step (non-obviousness) and industrial activity, as defined in PCT Article 33(1) to (4) have been satisfied for all the claims presented in the application entering the national stage (37 C.F.R. § 1.492(a)(4)) ..... \$100.00 <input type="checkbox"/> and the above requirements are not met (37 C.F.R. § 1.492(a)(1)) ..... \$690.00 <input checked="" type="checkbox"/> U.S. PTO WAS NOT INTERNATIONAL PRELIMINARY EXAMINATION AUTHORITY Where no international preliminary examination fee as set forth in § 1.482 has been paid to the U.S. PTO, and payment of an international search fee as set forth in § 1.445(a)(2) to the U.S. PTO: <input type="checkbox"/> has been paid (37 C.F.R. § 1.492(a)(2)) ..... \$710.00 <input type="checkbox"/> has not been paid (37 C.F.R. § 1.492(a)(3)) ..... \$1000.00 <input checked="" type="checkbox"/> where a search report on the international application has been prepared by the European Patent Office or the Japanese Patent Office (37 C.F.R. § 1.492(a)(5)) ..... <del>\$860.00</del> <div style="text-align: right;">890</div>				890
	Total of above Calculations =				890
SMALL ENTITY	Reduction by 1/2 for filing by small entity, if applicable. Assertion must be made. (note 37 C.F.R. § 1.27)				-
	Subtotal				890
	Total National Fee \$				890
	Fee for recording the enclosed assignment document \$40.00 (37 C.F.R. § 1.21(h)). (See Item 13 below). See attached "ASSIGNMENT COVER SHEET".				
TOTAL	Total Fees enclosed \$				890

\*See attached Preliminary Amendment Reducing the Number of Claims.

- ☐ Attached is a ☐ check ☐ money order in the amount of \$ \_\_\_\_\_
- ☒ Authorization is hereby made to charge the amount of \$ 890
- ☐ to Deposit Account No. 08-0879
- ☒ to Credit card as shown on the attached credit card information authorization form PTO-2038.

**WARNING:** Credit card information should **not** be included on this form as it may become public.

- ☒ Charge any additional fees required by this paper or credit any overpayment in the manner authorized above.

A duplicate of this paper is attached.

**\*\*WARNING:** "To avoid abandonment of the application the applicant shall furnish to the United States Patent and Trademark Office not later than the expiration of 30 months from the priority date: \* \* \* (2) the basic national fee (see § 1.492(a)). The 30-month time limit may not be extended." 37 C.F.R. § 1.495(b).

**WARNING:** If the translation of the international application and/or the oath or declaration have not been submitted by the applicant within thirty (30) months from the priority date, such requirements may be met within a time period set by the Office. 37 C.F.R. § 1.495(b)(2). The payment of the surcharge set forth in § 1.492(e) is required as a condition for accepting the oath or declaration later than thirty (30) months after the priority date. The payment of the processing fee set forth in § 1.492(f) is required for acceptance of an English translation later than thirty (30) months after the priority date. Failure to comply with these requirements will result in abandonment of the application. The provisions of § 1.136 apply to the period which is set. Notice of Jan. 3, 1993, 1147 O.G. 29 to 40.

☐ Assertion of Small Entity Status

☐ Applicant hereby asserts status as a small entity under 37 C.F.R. § 1.27.

**NOTE:** 37 C.F.R. § 1.27(c) deals with the assertion of small entity status, whether by a written specific declaration thereof or by payment as a small entity of the basic filing fee or the fee for the entry into the national phase as states:

"(c) Assertion of small entity status. Any party (person, small business concern or nonprofit organization) should make a determination, pursuant to paragraph (f) of this section, of entitlement to be accorded small entity status based on the definitions set forth in paragraph (a) of this section, and must, in order to establish small entity status for the purpose of paying small entity fees, actually make an assertion of entitlement to small entity status, in the manner set forth in paragraphs (c)(1) or (c)(3) of this section, in the application or patent in which such small entity fees are to be paid.

(1) Assertion by writing. Small entity status may be established by a written assertion of entitlement to small entity status. A written assertion must:

(i) Be clearly identifiable;

(ii) Be signed (see paragraph (c)(2) of this section); and

(iii) Convey the concept of entitlement to small entity status, such as by stating that applicant is a small entity, or that small entity status is entitled to be asserted for the application or patent. While no specific words or wording are required to assert small entity status, the intent to assert small entity status must be clearly indicated in order to comply with the assertion requirement.

(2) Parties who can sign and file the written assertion. The written assertion can be signed by:

(i) One of the parties identified in §§ 1.33(b) (e.g., an attorney or agent registered with the Office), §§ 3.73(b) of this chapter notwithstanding, who can also file the written assertion;

(ii) At least one of the individuals identified as an inventor (even though a §§ 1.63 executed oath or declaration has not been submitted), notwithstanding §§ 1.33(b)(4), who can also file the written assertion pursuant to the exception under §§ 1.33(b) of this part; or

(iii) An assignee of an undivided part interest, notwithstanding §§ 1.33(b)(3) and 3.73(b) of this chapter, but the partial assignee cannot file the assertion without resort to a party identified under §§ 1.33(b) of this part.

(3) Assertion by payment of the small entity basic filing or basic national fee. The payment, by any party, of the exact amount of one of the small entity basic filing fees set forth in §§ 1.16(a), (f), (g), (h), or (k), or one of the small entity basic national fees set forth in §§ 1.492(a)(1), (a)(2), (a)(3), (a)(4), or (a)(5), will be treated as a written assertion of entitlement to small entity status even if the type of basic filing or basic national fee is inadvertently selected in error.

(i) If the Office accords small entity status based on payment of a small entity basic filing or basic national fee under paragraph (c)(3) of this section that is not applicable to that application, any balance of the small entity fee that is applicable to that application will be due along with the appropriate surcharge set forth in §§ 1.16(e), or §§ 1.16(f).

(ii) The payment of any small entity fee other than those set forth in paragraph (c)(3) of this section (whether in the exact fee amount or not) will not be treated as a written assertion of entitlement to small entity status and will not be sufficient to establish small entity status in an application or a patent."

3. ☒ A copy of the International application as filed (35 U.S.C. § 371(c)(2)):

NOTE: Section 1.495 (b) was amended to require that the basic national fee and a copy of the international application must be filed with the Office by 30 months from the priority date to avoid abandonment. "The International Bureau normally provides the copy of the international application to the Office in accordance with PCT Article 20. At the same time, the International Bureau notifies applicant of the communication to the Office. In accordance with PCT Rule 47.1, that notice shall be accepted by all designated offices as conclusive evidence that the communication has duly taken place. Thus, if the applicant desires to enter the national stage, the applicant normally need only check to be sure the notice from the International Bureau has been received and then pay the basic national fee by 30 months from the priority date." Notice of Jan. 7, 1993, 1147 O.G. 29 to 40, at 35-36. See item 14c below.

- a. ☒ is transmitted herewith.
- b. ☐ is not required, as the application was filed with the United States Receiving Office.
- c. ☐ has been transmitted

- i. ☐ by the International Bureau.

Date of mailing of the application (from form PCT/1B/308):

- ii. ☐ by applicant on \_\_\_\_\_. (Date)

4. ☒ A translation of the International application into the English language (35 U.S.C. § 371(c)(2)):

- a. ☒ is transmitted herewith.
- b. ☐ is not required as the application was filed in English.
- c. ☐ was previously transmitted by applicant on \_\_\_\_\_. (Date)
- d. ☐ will follow.

5. ☐ Amendments to the claims of the International application under PCT Article 19 (35 U.S.C. § 371(c)(3)):

NOTE: The Notice of January 7, 1993 points out that 37 C.F.R. § 1.495(a) was amended to clarify the existing and continuing practice that PCT Article 19 amendments must be submitted by 30 months from the priority date and this deadline may not be extended. The Notice further advises that: "The failure to do so will not result in loss of the subject matter of the PCT Article 19 amendments. Applicant may submit that subject matter in a preliminary amendment filed under section 1.121. In many cases, filing an amendment under section 1.121 is preferable since grammatical or idiomatic errors may be corrected." 1147 O.G. 29-40, at 36.

- a. ☐ are transmitted herewith.  
 b. ☐ have been transmitted  
 i. ☐ by the International Bureau.  
 Date of mailing of the amendment (from form PCT/1B/308):  
 \_\_\_\_\_  
 ii. ☐ by applicant on \_\_\_\_\_. (Date)  
 c. ☐ have not been transmitted as  
 i. ☐ applicant chose not to make amendments under PCT Article 19.  
 Date of mailing of Search Report (from form PCT/ISA/210.):  
 \_\_\_\_\_  
 ii. ☐ the time limit for the submission of amendments has not yet expired. The amendments or a statement that amendments have not been made will be transmitted before the expiration of the time limit under PCT Rule 46.1.

6. ☐ A translation of the amendments to the claims under PCT Article 19 (38 U.S.C. § 371(c)(3)):

- a. ☐ is transmitted herewith.  
 b. ☐ is not required as the amendments were made in the English language.  
 c. ☐ has not been transmitted for reasons indicated at point 5(c) above.

7. ☒ A copy of the international examination report (PCT/IPEA/409)

- ☒ is transmitted herewith.  
☐ is not required as the application was filed with the United States Receiving Office.

8. ☐ Annex(es) to the international preliminary examination report No Annexes filed.

- a. ☐ is/are transmitted herewith.  
 b. ☐ is/are not required as the application was filed with the United States Receiving Office.

9. ☐ A translation of the annexes to the international preliminary examination report

- a. ☐ is transmitted herewith.  
 b. ☐ is not required as the annexes are in the English language.

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10. ☒ An oath or declaration of the inventor (35 U.S.C. § 371(c)(4)) complying with 35 U.S.C. § 115
- a. ☐ was previously submitted by applicant on \_\_\_\_\_. (Date)
  - b. ☐ is submitted herewith, and such oath or declaration
    - i. ☐ is attached to the application.
    - ii. ☐ identifies the application and any amendments under PCT Article 19 that were transmitted as stated in points 3(b) or 3(c) and 5(b); and states that they were reviewed by the inventor as required by 37 C.F.R. § 1.70.
  - c. ☒ will follow.

II. Other document(s) or information included:

11. ☒ An International Search Report (PCT/ISA/210) or Declaration under PCT Article 17(2)(a):
- a. ☒ is transmitted herewith.
  - b. ☐ has been transmitted by the International Bureau.  
Date of mailing (from form PCT/IB/308): \_\_\_\_\_.
  - c. ☐ is not required, as the application was searched by the United States International Searching Authority.
  - d. ☐ will be transmitted promptly upon request.
  - e. ☐ has been submitted by applicant on \_\_\_\_\_. (Date)
12. ☐ An Information Disclosure Statement under 37 C.F.R. §§ 1.97 and 1.98:
- a. ☐ is transmitted herewith.

Also transmitted herewith is/are:

- ☐ Form PTO-1449 (PTO/SB/08A and 08B).
- ☐ Copies of citations listed.
- b. ☐ will be transmitted within THREE MONTHS of the date of submission of requirements under 35 U.S.C. § 371(c).
- c. ☐ was previously submitted by applicant on \_\_\_\_\_. (Date)

13. ☒ An assignment document is transmitted herewith for recording.
- A separate ☐ "COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING NEW PATENT APPLICATION" or ☐ FORM PTO 1595 is also attached.

HOPPY, Societe a Responsabilite Limitee

2 rue Gustve Eiffel; Technopole de l'Aube en Champagne

10430 Rosieres FRANCE

(Transmittal Letter to the United States Elected Office (EO/US) [13-18]—page 7 of 9)

x will follow

14. ☒ Additional documents:

- a. ☐ Copy of request (PCT/RO/101)
- b. ☒ International Publication No. WO 01/20577
  - i. ☐ Specification, claims and drawing
  - ii. ☒ Front page only
- c. ☒ Preliminary amendment (37 C.F.R. § 1.121)
- d. ☐ Other

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

15. ☒ The above checked items are being transmitted

- a. ☒ before 30 months from any claimed priority date.
- b. ☐ after 30 months.

16. ☐ Certain requirements under 35 U.S.C. § 371 were previously submitted by the applicant on \_\_\_\_\_, namely:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**AUTHORIZATION TO CHARGE ADDITIONAL FEES**

**WARNING:** Accurately count claims, especially multiple dependant claims, to avoid unexpected high charges if extra claims are authorized.

**NOTE:** "A written request may be submitted in an application that is an authorization to treat any concurrent or future reply, requiring a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. An authorization to charge all required fees, fees under § 1.17, or all required extension of time fees will be treated as a constructive petition for an extension of time in any concurrent or future reply requiring a petition for an extension of time under this paragraph for its timely submission. Submission of the fee set forth in § 1.17(a) will also be treated as a constructive petition for an extension of time in any concurrent reply requiring a petition for an extension of time under this paragraph for its timely submission." 37 C.F.R. § 1.136(a)(3).

**NOTE:** "Amounts of twenty-five dollars or less will not be returned unless specifically requested within a reasonable time, nor will the payer be notified of such amounts; amounts over twenty-five dollars may be returned by check or, if requested, by credit to a deposit account." 37 C.F.R. § 1.26(a).

☒ Please charge, in the manner authorized above, the following additional fees that may be required by this paper and during the entire pendency of this application:

- ☒ 37 C.F.R. § 1.492(a)(1), (2), (3), and (4) (filing fees)

**WARNING:** Because failure to pay the national fee within 30 months without extension (37 C.F.R. § 1.495(b)(2)) results in abandonment of the application, it would be best to always check the above box.



- ☐ 37 C.F.R. § 1.492(b), (c) and (d) (presentation of extra claims)

NOTE: Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims cancelled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 C.F.R. § 1.492(d)), it might be best not to authorize the PTO to charge additional claim fees, except possible when dealing with amendments after final action.

- ☐ 37 C.F.R. § 1.17 (application processing fees)
- ☐ 37 C.F.R. § 1.17(a)(1)-(5) (extension fees pursuant to § 1.136(a).
- ☐ 37 C.F.R. § 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. § 1.311(b))

NOTE: Where an authorization to charge the issue fee to a deposit account has been filed before the mailing of a Notice of Allowance, the issue fee will be automatically charged to the deposit account at the time of mailing the notice of allowance. 37 C.F.R. § 1.311(b).

NOTE: 37 C.F.R. § 1.28(b) requires "Notification of any change in loss of entitlement to small entity status must be filed in the application . . . prior to paying, or at the time of paying . . . issue fee." From the wording of 37 C.F.R. § 1.28(b): (a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity.

- ☐ 37 C.F.R. § 1.492(e) and (f) (surcharge fees for filing the declaration and/or filing an English translation of an International Application later than 30 months after the priority date).

Reg. No.: 30,627

Tel. No.: (713) 224-8080

Customer No.: 24106

  
SIGNATURE OF PRACTITIONER

John S. Egbert

(type or print name of practitioner)

Harrison & Egbert

412 Main St., 7th Floor

P.O. Address

Houston, Texas 77002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: ADELAIDE, Jean-Michel; DESMET, Benjamin; PEINTRE, Jean-Marc

SERIAL NO.: (International Serial No. PCT/FR00/02550)

FILED: Herewith (International Filing Date 14 September 2000)

TITLE: PORTABLE DEVICE SUPPLYING TOURIST INFORMATION

PRELIMINARY AMENDMENT

Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

Sir:

In conjunction with the filing of the present application, and prior to an initial Official Action on this matter, please amend the above-identified application as follows:

Please note that the following amendments apply to the attached specification and claims labeled for U.S. filing. This combined application incorporates the original application and any annex to the International Preliminary Examination Report in the proper order, including the correct original and any substitute pages, claims and drawing sheets.

IN THE SPECIFICATION

In Paragraph [0006], please substitute the paragraph as follows:

Besides, in the guiding technology, vehicle guiding devices are already known, which enable positioning of said vehicles and/or recommending a particular route to the driver.

In Paragraph [0018], please substitute the paragraph as follows:

The invention will be better understood when reading the following description, with the appended drawings which are part thereof.

In Paragraph [0019], please substitute the paragraph as follows:

Figure 1 is a diagrammatic functional illustration of an embodiment of the device according to the invention.

In Paragraph [0020], please substitute the paragraph as follows:

Figure 2 is a diagrammatic illustration of an embodiment of storage means of the device according to the invention.

In Paragraph [0021], please substitute the paragraph as follows:

Figure 3 is a detailed diagrammatic illustration showing one of the points of previous Figure 1.

In Paragraph [0022], please substitute the paragraph as follows:

Figure 4 is a diagrammatic algorithm illustrating an operating example of the device according to the invention.

In Paragraph [0040], please substitute the paragraph as follows:

According to such an embodiment, it can be noted that all the pieces of information on the route or tour to follow, regardless of the customization criterion selected, are stored in said storage means 1. The device according to the invention thus enables minimizing the number of information storage media compared to a solution according to which, for each customization criterion, one would require storage means 1 whereof the content is different. Besides, successive usage of the correspondence tables 6, 6' promotes information processing.

#### IN THE CLAIMS

In Claim 1, please substitute the claim as follows:

1. (Amended) A mobile device to supply information, notably for tourism, to a user, comprising:
  - a storage means (1), fragmented into sectors (13), each said sector gathering information to be supplied and corresponding at least to one given geographic location and showing an address;
  - a tracking means (2) of said device, capable of delivering so-called positioning information, corresponding to the location in which said device is situated;
  - a processing means (4), capable of drawing up a reading instruction containing at least the address of the sector of the information to be supplied in relation at least to said positioning information, on the basis of one or several correspondence tables (6, 6') comprised in said device and

associating at least the address of said sector and said positioning information regarding the same geographic location;

a reading means (7) for the information contained in the sector showing the address of said reading instruction, which is delivered to them by said processing means (4), so-called information selected; and

a playing means (9), capable of transmitting the information selected in order to provide the user with messages regarding at least the geographic location where he is.

In Claim 2, please substitute the claim as follows:

2. (Amended) A device according to claim 1,

wherein pieces of information to be supplied contained in each said sector correspond moreover to one or several fields of one or several customization criteria,

wherein said device further comprises parameterization means (14), capable of enabling the user to select the requested field for each customization criterion, and

wherein said device comprises at least two said correspondence tables (6, 6'), the first table (6) associating said positioning information and a so-called comment reference, covering all the sectors containing information to be supplied, regardless of the field(s) or selection criteria used, regarding the same geographic location, the second table associating said comment reference and the address of the sector regarding the information to be supplied in relation to the fields selected.

In Claim 3, please substitute the claim as follows:

3. (Amended) A device according to the claim 1, wherein said storage means (1) are removable.

In Claim 4, please substitute the claim as follows:

4. (Amended) A device according to Claim 1, wherein said processing means are capable of scanning permanently the positioning information delivered by said tracking means in order to determine the address of the sector of the information to be supplied as soon as one piece of the positioning information delivered can be associated with one or several sector addresses.

In Claim 5, please substitute the claim as follows:

5. (Amended) A device according to Claim 1, wherein said reading means are capable of being actuated as soon as a reading instruction is transmitted to them by said processing means in order to take into account the information selected by direct access to said storage means.

In Claim 8, please substitute the claim as follows:

8. (Amended) A device according to claim 1, wherein said tracking means (2) comprises a satellite positioning module (22) and/or a ground beacon positioning module (23).

In Claim 11, please substitute the claim as follows:

11. (Amended) A device according to claim 1, further comprising means for checking succession of pieces of information selected by said reading means (7) capable of authorizing the message to be repeated and/or the message to be skipped regarding said means and/or still to pause during the delivery of said messages.

In Claim 12, please substitute the claim as follows:

12. (Amended) A device according to claim 1, further comprising an additional memory unit (26) for storing information intended for providing statistics.

In Claim 13, please substitute the claim as follows:

13. (Amended) A device according to claim 1, further comprising an assistance means for the user.

In Claim 15, please substitute the claim as follows:

15. (Amended) A device according to claim 13, wherein said assistance means comprises connection means to external information communication network.

#### IN THE ABSTRACT

On page 16, please substitute the paragraph as follows:

A mobile device to supply information, notably for tourism, to a user, includes: a storage element, fragmented into sectors; tracking element of said device, capable of delivering positioning information; a processing element, capable of drawing up a reading instruction containing at least the address of the sector of the information to be supplied in relation at least to the positioning information, on the basis of one or several correspondence tables included in the device and associating at least the address of the sector and the positioning information regarding the same geographic location; a reading element for the information contained in the sectors; and a playing element, capable of transmitting the selected information, in order to supply to the user messages regarding at least the location where they are.

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: ADELAIDE, Jean-Michel; DESMET, Benjamin; PEINTRE, Jean-Marc

SERIAL NO.: (International Serial No. PCT/FR00/02550)

FILED: Herewith (International Filing Date 14 September 2000)

TITLE: PORTABLE DEVICE SUPPLYING TOURIST INFORMATION

## REMARKS ON PRELIMINARY AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In this preliminary amendment, please consider the following remarks in conjunction with the amendments to the above-identified application as follows:

REMARKS

The present Preliminary Amendment has been entered for the purpose of placing the application into a more proper U.S. format. In particular, certain grammatical and idiomatic inconsistencies have been corrected by amendment to the specification, and the application is corrected for certain typographical errors found in the originally submitted application. No new matter has been added by these amendments. The present application incorporates the original filing including any amendments made in the annex to the International Preliminary Examination Report and changes to the drawing sheets.

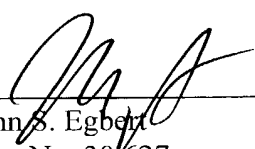
The Claims have been amended so as to conform with U.S. requirements and so as to remove multiple dependent claims. The Abstract has also been amended to conform with U.S. requirements.

Applicant respectfully requests that the present Amendment be entered prior to an initial Official Action on the present application.

Respectfully submitted,

Date

3.14.02

  
\_\_\_\_\_  
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Reg. No. 30,627  
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Harrison & Egbert  
412 Main Street, 7<sup>th</sup> Floor  
Houston, Texas 77002  
(713)224-8080  
(713)223-4873 fax

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: ADELAIDE, Jean-Michel; DESMET, Benjamin; PEINTRE, Jean-Marc

SERIAL NO.: (International Serial No. PCT/FR00/02550)

FILED: Herewith (International Filing Date 14 September 2000)

TITLE: PORTABLE DEVICE SUPPLYING TOURIST INFORMATION

VERSION WITH MARKINGS TO SHOW CHANGES in the PRELIMINARY AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In conjunction with the filing of the present application, and prior to an initial Official Action on this matter, please amend the above-identified application as follows:

IN THE SPECIFICATION

In Paragraph [0006], the paragraph has been amended as follows:

Besides, in the guiding technology, vehicle guiding devices are already known, which enable [to position] positioning of said vehicles and/or [to recommend] recommending a particular route to the driver.

In Paragraph [0018], the paragraph has been amended as follows:

The invention will be better understood when reading the following description, with the appended drawings which are part thereof[ and among which:].

In Paragraph [0019], the paragraph has been amended as follows:

Figure 1 [illustrates, functionally,] is a diagrammatic functional illustration of an embodiment of the device according to the invention.

In Paragraph [0020], the paragraph has been amended as follows:

Figure 2 [illustrates diagrammatically] is a diagrammatic illustration of an embodiment of storage means of the device according to the invention.

In Paragraph [0021], the paragraph has been amended as follows:

Figure 3 [details] is a detailed diagrammatic illustration showing one of the points of previous Figure 1.

In Paragraph [0022], the paragraph has been amended as follows:

Figure 4 is [an] a diagrammatic algorithm illustrating an [operation] operating example of the device according to the invention.

In Paragraph [0040], the paragraph has been amended as follows:

According to such an embodiment, it can be noted that all the pieces of information on the route or tour to follow, regardless of the customization criterion selected, are stored in said storage means [1 and the] 1. The device according to the invention thus enables [to minimize] minimizing the number of information storage media compared to a solution according to which, for each customization criterion, one would require storage means 1 whereof the content is different. Besides, successive usage of the correspondence tables 6, 6' promotes information processing.

#### IN THE CLAIMS

In Claim 1, the claim has been amended as follows:

1. (Amended) A mobile device to supply information, notably for tourism, to a user, comprising:
  - [-] a storage means (1), fragmented into sectors (13), each said sector gathering [the] information to be supplied and corresponding at least to one given geographic location and showing an address[.];
  - [-] a tracking means (2) of said device, capable of delivering so-called positioning information, corresponding to the location in which said device is situated[.];
  - [-] a processing means (4), capable of drawing up a reading instruction containing at least the address of the sector of the information to be supplied in relation at least to said positioning information, on the basis of one or several correspondence tables (6, 6') comprised in said device and associating at least the address of said sector and said positioning information regarding the same geographic location[.];
  - [-] a reading means (7) for the information contained in the sector showing the address of said reading instruction, which is delivered to them by said processing means (4), so-called information selected[.]; and



[-] a playing means (9), capable of transmitting the information selected in order to provide the user with messages regarding at least the geographic location where he is.

In Claim 2, the claim has been amended as follows:

2. (Amended) A device according to claim 1,  
wherein [the] pieces of information to be supplied contained in each said sector correspond moreover to one or several fields of one or several customization criteria,  
wherein said device further comprises [moreover] parameterization means (14), capable of enabling the user to select the requested field for each customization criterion, and  
wherein said device comprises at least two said correspondence tables (6, 6', the first table (6) associating said positioning information and a so-called comment reference, covering all the sectors containing information to be supplied, regardless of the field(s) or selection criteria used, regarding the same geographic location, the second table associating said comment reference and the address of the sector regarding the information to be supplied in relation to the fields selected.

In Claim 3, the claim has been amended as follows:

3. (Amended) A device according to the claim 1[ or 2], wherein said storage means (1) are removable.

In Claim 4, the claim has been amended as follows:

4. (Amended) A device according to [any of the previous claims 1 to 3,] Claim 1, wherein said processing means are capable of scanning permanently the positioning information delivered by said tracking means in order to determine the address of the sector of the information to be supplied as soon as one piece of the positioning information delivered can be associated with one or several sector addresses.

In Claim 5, the claim has been amended as follows:

5. (Amended) A device according to [any of the previous claims 1 to 4] Claim 1, wherein said reading means are capable of being actuated as soon as a reading instruction is transmitted to them by said processing means in order to take into account the information selected by direct access to said storage means.

In Claim 8, the claim has been amended as follows:

8. (Amended) A device according to claim 1, wherein said tracking means (2) [consist of] comprises a satellite positioning module (22) and/or a ground beacon positioning module (23).

In Claim 11, the claim has been amended as follows:

11. (Amended) A device according to claim 1, further comprising [besides] means for checking [the] succession of [the] pieces of information selected by said reading means (7) capable of authorizing the message to be repeated and/or the message to be skipped regarding said means and/or still to pause during the delivery of said messages.

In Claim 12, the claim has been amended as follows:

12. (Amended) A device according to claim 1, further comprising [besides] an additional memory unit (26) for storing information intended for providing statistics.

In Claim 13, the claim has been amended as follows:

13. (Amended) A device according to claim 1, further comprising [besides] an assistance means for the user.

In Claim 15, the claim has been amended as follows:

15. (Amended) A device according to claim 13, wherein said assistance means [consist of] comprises connection means to external information communication network.

#### IN THE ABSTRACT

On page 16, the paragraph has been amended as follows:

[The invention concerns a] A mobile device to supply information, notably for tourism, to a user, [comprising at least:] includes: a storage [means (1)]element, fragmented into sectors[, each said sector corresponding at least to one given geographic location and showing an address,]; tracking [means (2)] element of said device, capable of delivering [so-called] positioning information, [corresponding to the location wherein said device is situated,]; a processing [means (4)]element, capable of drawing up a reading instruction containing at least the address of the sector of the information to be supplied in relation at least [said] to the positioning information, on the basis of one or several correspondence tables [(6, 6') comprised] included in [said] the device and associating at least the address of [said] the sector and [said] the positioning information regarding the same geographic location[,]; a reading [means (7) at least] element for the information contained in the [sector showing the address of said reading instruction, which is delivered to them by said processing means (4), so-called information selected,]sectors; and a playing [means (9)]element, capable of transmitting [said] the selected information, in order to supply to the user messages regarding at least the location where they are.

MOBILE DEVICE TO SUPPLY INFORMATION, NOTABLY FOR TOURISM, TO A USER

RELATED U.S. APPLICATIONS

Not applicable.

STATEMENT REGARDING FEDERALLY SPONSORED  
RESEARCH OR DEVELOPMENT

Not applicable.

REFERENCE TO MICROFICHE APPENDIX

Not applicable.

FIELD OF THE INVENTION

[0001] The invention concerns a mobile device to supply information, notably for tourism, to a user.

BACKGROUND OF THE INVENTION

[0002] When traveling, when one wishes to obtain information regarding the location, one may first of all look up literary tourist guides. Nevertheless, this solution is rather impractical since it implies turning the pages of the guide constantly and dedicating some time to reading said guide.

[0003] To remedy these shortcomings, It has been suggested to use audio or video tape players in which one has loaded tapes with pre-recorded comments on the locations encountered during said travel.

[0004] It is obvious that such a solution may be cumbersome for the user who would then have to stop and switch his player on again constantly to avoid any delay between the information provided and his progress on the road. Consequently, as the driver has heard or seen comments too early or too late with

respect to the speed of his progress, he does not know where he is any longer and gives up using said device.

**[0005]** It should be noted that, with the solutions mentioned above, the nature of the information available remains limited to the language and/or the subject chosen (history, architecture, gastronomy, leisure, ...).

**[0006]** Besides, in the guiding technology, vehicle guiding devices are already known, which enable to position said vehicles and/or to recommend a particular route to the driver.

**[0007]** Nevertheless, such systems are developed for vehicles only and solely regard the route followed by said vehicle.

#### BRIEF SUMMARY OF THE INVENTION

**[0008]** The object of this invention is to suggest a mobile device to supply information, notably for tourism, to a user, which remedies the shortcomings mentioned above and enables automatic playing of all kinds of information in relation to the location in which the user is.

**[0009]** Another object of this invention is to suggest a mobile device to supply information, notably for tourism, to a user, able to process numerous types of information.

**[0010]** Another object of this invention is to suggest a mobile device to supply information, notably for tourism, to a user, which enables to adapt the type of information supplied to the user.

**[0011]** Another object of this invention is to suggest a mobile device to supply information, notably for tourism, to a user, which can be used on foot as well as in numerous types of vehicles.

**[0012]** Another object of this invention is to suggest a mobile device to supply information, notably for tourism, to a user, whose operation can be tailored to the user's wishes.

**[0013]** Another object of this invention is to suggest a mobile device to supply information, notably for tourism, to a user, able to operate in numerous types of environment.

**[0014]** Another object of this invention is to suggest a mobile device to supply information, notably for tourism, to a user, whose operation can be adjusted in case of failure.

**[0015]** Another object of this invention is to suggest a mobile device to supply information, notably for tourism, to a user, whose operation is open-ended to provide the user with assistance services.

**[0016]** Other objects and advantages of the invention will appear more clearly using the following description, which is given only for exemplification purposes and does not purport to restrict said invention.

**[0017]** The invention concerns a mobile device to supply information, notably for tourism, to a user, comprising at least:

- storage means, fragmented into sectors, each said sector gathering the information to be supplied and corresponding at least to one given geographic location and showing an address,
- tracking means of said device, capable of delivering so-called positioning information, corresponding to the location in which said device is situated,
- processing means, capable of drawing up a reading instruction containing at least the address of the sector of the information to be supplied in relation at least to said positioning information, on the basis of one or several correspondence tables comprised in said device and associating at least the address of said sector and said positioning information regarding the some geographic location,
- reading means for at least the information contained in the sector showing the address of said reading instruction, which is delivered to them by said processing means, so-called selected information, and

- playing means capable of transmitting said selected information, in order to be supplied to the user in the form of messages regarding at least the location where he is..

#### BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWINGS

[0018] The invention will be better understood when reading the following description, with the appended drawings which are part thereof and among which:

[0019] Figure 1 illustrates, functionally, an embodiment of the device according to the invention.

[0020] Figure 2 illustrates diagrammatically an embodiment of storage means of the device according to the invention.

[0021] Figure 3 details one of the points of previous Figure 1.

[0022] Figure 4 is an algorithm illustrating an operation example of the device according to the invention.

#### DETAILED DESCRIPTION OF THE INVENTION

[0023] The invention concerns a mobile device to supply information, notably for tourism, to a user.

[0024] By "mobile" is meant usable for displacement by any means of locomotion, i.e. for example, which can be on-board a vehicle, notably an automotive vehicle, or still carded by a user on foot.

[0025] As illustrated on Figure 1, the device according to the invention comprises at least storage means 1, fragmented into sectors, each said sector gathering the information to be supplied and corresponding at least to one given geographic location. Besides, each said sector shows an address.

[0026] The information contained in said storage means depends, notably, on the route or tour that the user intends to follow. This information may be derived, for example, from one or several databases

wherein the requested information has been selected. The number and the nature of the information available will depend, notably, on the capacities of said storage means 1.

**[0027]** The mobile device according to the invention also comprises tracking means 2 of said device, capable of delivering so-called positioning information 3, 3', corresponding to the location wherein said device is located.

**[0028]** The former still comprises processing means 4, capable of drawing up a reading instruction 5 containing at least the address of the sector of information to be supplied in relation at least to said positioning information 3, 3', on the basis of one or several correspondence tables 6, 6', comprised in said device and associating at least the address of said sector and said positioning information 3, 3' regarding the same geographic location.

**[0029]** Still according to the invention, said device comprises reading means 7 for at least the information contained in the sector showing the address of said reading instruction 5, which is delivered to them by said processing means 4, so-called selected information 8, 8', 8" as well as playing means 9, capable of transmitting said selected information.

**[0030]** One can also supply messages to the user, notably audio and/or visual messages, regarding at least the location where he is, automatically. Moreover, the architecture selected enables to maximize the processing operation.

**[0031]** Said playing means 9, notably intended for multimedia, consist, for example, of a monitor 10 and/or earphones 11. They enable to provide, among other things, road maps indicating the position of the user, the time remaining to the end of the current route or tour, text information, notably for tourism.

**[0032]** Said device has the form, for example, of a casing accommodating at least said storage means 1, said tracking means 2, said processing means 4, said reading means 7 and/or said playing means 9;

10, 11. Said casing 12 can, notably, be hand-held and/or suspended from a belt in order to be carried at least on foot. It can be fitted with standalone power supply means.

**[0033]** According to a particular embodiment of the invention, the information to be supplied contained in each said sector correspond to one or several fields of one or several customization criteria such as, for example, the language and/or the subject of the messages played. For a given geographic location, said storage means will thus comprise, for example, the same message in different languages. They may also comprise different messages in relation to the subject selected (history, architecture, gastronomy, leisure, ...), whereas each of the messages of the different subjects may be provided besides in different languages.

**[0034]** As illustrated on Figure 2, when using a customization criterion, such as the language, said storage means 1 are divided into tracks 12a, 12b, each corresponding to one field of said criterion, such as French, English, German or others, whereas each track 12a, 12b is in turn divided in order to define said sectors 13 gathering the information to be supplied and corresponding to a given geographic location. When using several customization criteria, the tracks 12a, 12b corresponding each to a field of one of said customization criteria can be divided into successive segments, corresponding each to a field of one of the other selection criteria, as often as necessary.

**[0035]** The device according to the invention comprises moreover, for example, parameterization means 14, enabling the user to select the field required for each customization criterion.

**[0036]** Such a selection can be made, notably, when using the device, i.e. on a route or tour, by the user himself. It also may be made, for example, initially by a hirer, such as a tourist board or others, making such devices available to users.

**[0037]** Said parameterization means 14 consist, notably, of a keyboard enabling the user, or the hirer, to make his selection. Said keyboard can be arranged on said casing properly speaking or connected to



said casing via an interface jack. Said parameterization means 14 provide, for example, so-called parameterization information 15, to said processing means 4, said parameterization information 15 depending on the selection made regarding the customization criterion or criteria.

**[0038]** As illustrated on Figure 3, said device comprises, for example, at least two said correspondence tables 6, 6'. The first table 6 associates, notably, said positioning information 3, 3' and a so-called comment reference 16, covering all the sectors 13 containing information to be supplied, regardless of the field(s) or selection criteria used, regarding the same geographic location. The second table 6' associates, notably, said comment reference 16 and the address of the sector 13 regarding the information to be supplied in relation to the fields selected, on the basis of said parameterization information 15.

**[0039]** The processing means 4 may also establish a reading instruction 5 containing the accurate address of the sector of the storage means to be used.

**[0040]** According to such an embodiment, it can be noted that all the pieces of information on the route or tour to follow, regardless of the customization criterion selected, are stored in said storage means 1 and the device according to the invention thus enables to minimize the number of information storage media compared to a solution according to which, for each customization criterion, one would require storage means 1 whereof the content is different. Besides, successive usage of the correspondence tables 6, 6' promotes information processing.

**[0041]** Said correspondence tables 6, 6' are, for example, provided initially in said storage means 1 and are copied and/or brought close to said processing means 4 when powering up the device at the beginning of the route and/or the tour affected.

**[0042]** Going back to the example given previously, a correspondence table between the languages selected and the tracks 12a, 12b existing on the storage means 1 is this provided initially in said storage means, then brought close and/or copied to said processing means 4 when powering up the device.

Consequently, during the route and/or tour followed by the user, each time said user is in a geographic location for which messages are available in said storage means 1, the positioning information 3, 3' provided by said tracking means is associated with a sector of the track affected and the corresponding message is played in the language selected.

**[0043]** Said storage means 1 are, possibly, removable. They can be, for example optic discs, notably versatile digital discs (DVDs) or flash memories, PCMCIA cards or others.

**[0044]** Said processing means 4 are, for example, capable of scanning permanently the positioning information 3, 3' delivered by said tracking means 2 in order to determine the address of the sector 13 of the information to be supplied as soon as one piece of the positioning information 3, 3' delivered can be associated with one or several sector addresses 13.

**[0045]** Said reading means 7 are capable, for example, of being actuated as soon as a reading instruction 5 is transmitted to them by said processing means 4 to take into account the information selected via direct access to said storage means 1.

**[0046]** As illustrated more particularly on Figure 3, said processing means 4 may comprise guiding means 17 for the reading means 7, intended for drawing up said reading instruction 5 and capable of storing at least the list of the sector addresses 13 already read by said processing means 4 in a memory unit 18. Simultaneously, said processing means 4 are provided in order to compare the address of the sector 13 of the information to be supplied with the content of said list, whereby said guiding means 17 are also capable, for their own part, of delivering, to said reading means 7, a reading instruction 5 containing the address of a sector 13 of the storage means 1 containing a standby message to be played when the comparison puts in evidence that said sector 13 has already been read.

**[0047]** Said memory unit 18 containing the list of addresses of the sectors 7 already read is situated, for example, at said processing means 4. It is updated, notably, via a route information 19 containing the

address provided to said guiding means 17 via said correspondence tables 6, 6'. Said route information 19 is processed by a route information module 20 containing said list of sectors already read. In order to transmit a comparison message 21 towards guiding means 17 specifying whether the sector corresponding to the positioning information 3, 3' provided by the tracking means has already been read.

**[0048]** Said standby message consists, for example, of a music and/or text sequence.

**[0049]** Said guiding means 17 are capable moreover, possibly, of delivering to the reading means 7 a reading instruction 5 containing the address of a sector 13 of the storage means 1 comprising a message to be played when said positioning information 3, 3' is unknown in said correspondence table(s) 6, 6' and/or when no positioning information reaches the device.

**[0050]** It may be, notably, the same message as that transmitted when determining a sector address already read, of all other types of messages,

**[0051]** Said tracking means 2 consist, for example, of a satellite positioning module 22 (GPS) and/or a ground beacon positioning module 23, notably a Hertzian, infrared or laser beacon positioning module. They enable thus to cover a vast number of different geographic locations, in the countryside, in cities or even inside a building.

**[0052]** Said processing means 4 may also process first of all the information from the ground beacon positioning modules 23.

**[0053]** With reference again to Figure 1, it can be noted that the device according to the invention may also comprise, for example, a buffer 24, capable of recording at least partially the information selected by said reading means 7, of checking said information for integrity and of restoring integrity in case of failures, to enable the transmission of said information selected by said playing means 9 after checking and possible restoration.

**[0054]** Thus, high quality audio or video messages can be provided, continuously and smoothly.

[0055] The device according to the invention may also comprise means for checking the succession of the pieces of information selected by said reading means 4. Said checking means are capable, for example, of authorizing the message to be repeated and/or the message to be skipped regarding said means and/or still to pause during the delivery of said messages. Said checking means are actuated, for example, at the keyboard.

[0056] They deliver checking information 25 intended for the guiding means 17 to influence the reading instruction 5 established.

[0057] As illustrated on Figure 3, the device according to the invention may also comprise an additional message unit 26 for storing information for statistical purposes. This is, for example, a statistic information module receiving statistic information 27 containing the address of the sectors to be read, from processing means 4. The statistic processing means may also take into account, possibly, the parameterization information 15.

[0058] With reference to Figure 4, it can be noted that the device according to the invention operates, for exemplification purposes, as follows. The processing means 4 scan permanently to detect whether positioning information 3, 3' is received from the tracking means 2 and whether it corresponds to a message to be delivered, or not, i.e. to the address of one of the sectors 13 of the storage means 1. If such is not the case, they then transmit a standby message. Conversely, if such is the case, they examine whether the corresponding message has already been read. If the message has already been read, a standby message is then also played. If it has not been read, the message corresponding to the geographic location associated is played according to the choices made for the selection criterion or criteria.

[0059] The device according to the invention may also comprise, possibly, assistance means for the user. Said assistance means are capable, notably, of causing the information contained in the storage means 1 to be taken into account, in all or in part, by said reading means 7, independently of the information

provided by said tracking means 2, to release the delivery of the messages, in all or in part, at any time requested by the user, regardless of his position. Said user can then listen to and/or visualize all the information available before, during or after his route or tour.

**[0060]** Said assistance means may also consist, among other things, of means for connection to an external information communication network, notably the Internet and/or for connection to calling centers. Said calling centers may also enable, notably, to download storage means 1.

**[0061]** Obviously, other embodiments, understandable to the man of the art, could also have been considered without departing for the framework of the invention.

CLAIMS

We claim:

1. A mobile device to supply information, notably for tourism, to a user, comprising:
  - storage means (1), fragmented into sectors (13), each said sector gathering the information to be supplied and corresponding at least to one given geographic location and showing an address,
  - tracking means (2) of said device, capable of delivering so-called positioning information, corresponding to the location in which said device is situated,
  - processing means (4), capable of drawing up a reading instruction containing at least the address of the sector of the information to be supplied in relation at least to said positioning information, on the basis of one or several correspondence tables (6, 6') comprised in said device and associating at least the address of said sector and said positioning information regarding the same geographic location,
  - reading means (7) for the information contained in the sector showing the address of said reading instruction, which is delivered to them by said processing means (4), so-called information selected,
  - playing means (9), capable of transmitting the information selected in order to provide the user with messages regarding at least the geographic location where he is.

2. A device according to claim 1,

wherein the pieces of information to be supplied contained in each said sector correspond moreover to one or several fields of one or several customization criteria,

said device comprises moreover parameterization means (14), capable of enabling the user to select the requested field for each customization criterion,

said device comprises at least two said correspondence tables (6, 6', the first table (6) associating said positioning information and a so-called comment reference, covering all the sectors containing information to be supplied, regardless of the field(s) or selection criteria used, regarding the same geographic location, the second table associating said comment reference and the address of the sector regarding the information to be supplied in relation to the fields selected.

3. A device according to the claim 1 or 2, wherein said storage means (1) are removable.

4. A device according to any of the previous claims 1 to 3, wherein said processing means are capable of scanning permanently the positioning information delivered by said tracking means in order to determine the address of the sector of the information to be supplied as soon as one piece of the positioning information delivered can be associated with one or several sector addresses.

5. A device according to any of the previous claims 1 to 4 wherein said reading means are capable of being actuated as soon as a reading instruction is transmitted to them by said processing means in order to take into account the information selected by direct access to said storage means.

6. A device according to claim 1, wherein said processing means (4) comprise guiding means (17) for the reading means (7), intended for drawing up said reading instruction and for storing at least the list of addresses of the sectors already read in a memory unit (18), whereas said processing means (4) are provided to compare the address of the sector of the information to be supplied with the content of said list and said guiding means are provided moreover to deliver, to the reading means (7), a reading instruction containing the address of a sector of the storage means (1) comprising a standby message to be played when the comparison puts in evidence that said sector has already been read.

7. A device according to claim 6, wherein said guiding means (17) are moreover provided to deliver, to the reading means (7), a reading instruction containing the address of a sector of the storage means (1) comprising a message to be played when said positioning information is unknown in said correspondence table(s) (6, 6') and/or when no positioning information reaches the device.

8. A device according to claim 1, wherein said tracking means (2) consist of a satellite positioning module (22) and/or a ground beacon positioning module (23).

9. A device according to claim 8, wherein said processing means (4) process first of all information from the ground beacon positioning module (23).

10. A device according to claim 1, comprising a buffer (24), capable of recording at least partially the information selected, of checking said information for integrity and of restoring said integrity in case of failures, to enable the transmission of said information selected by said playing means (9) after checking and possible restoration.



11. A device according to claim 1, comprising besides means for checking the succession of the pieces of information selected by said reading means (7) capable of authorizing the message to be repeated and/or the message to be skipped regarding said means and/or still to pause during the delivery of said messages.

12. A device according to claim 1, comprising besides an additional memory unit (26) for storing information intended for providing statistics.

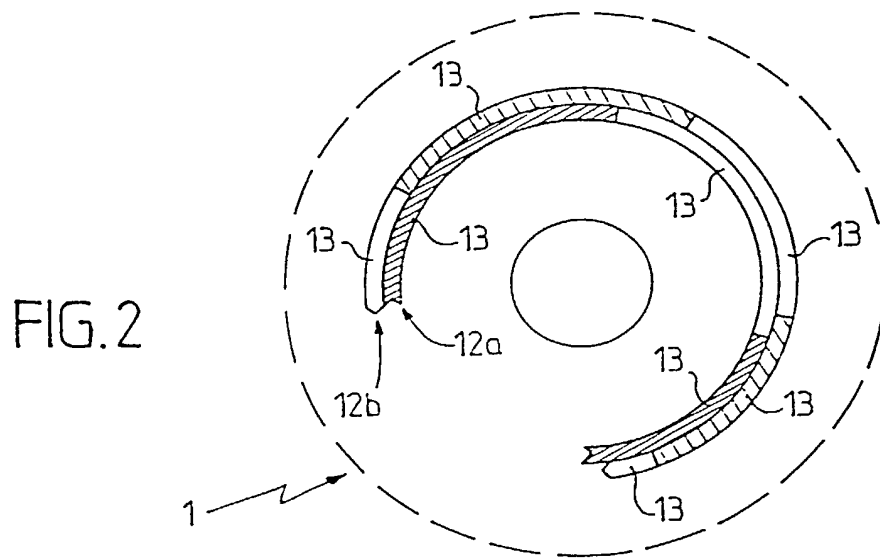
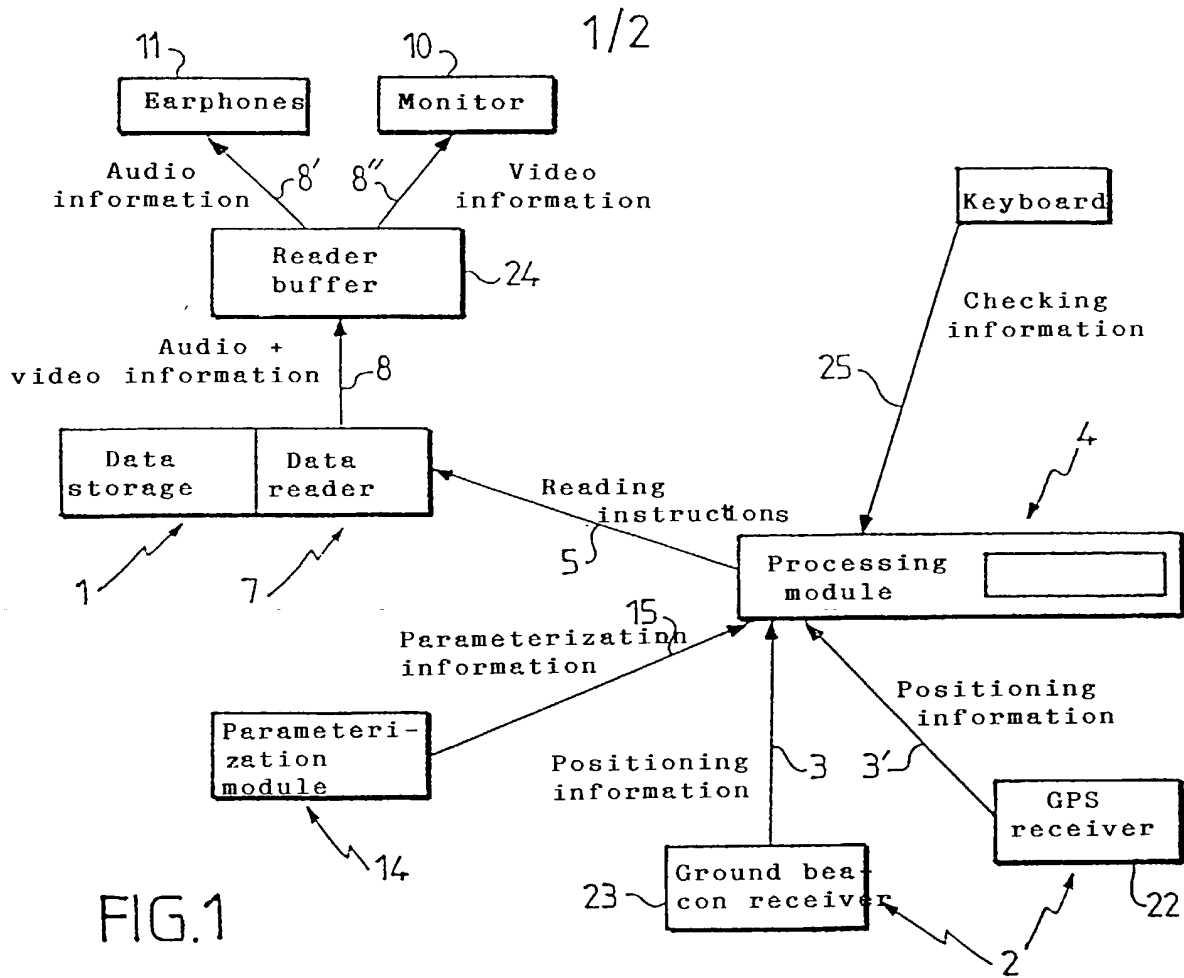
13. A device according to claim 1, comprising besides assistance means for the user.

14. A device according to claim 13, wherein said assistance means are capable of causing the information contained in the storage means to be taken into account, in all or in part, by said reading means, independently of the information provided by said tracking means, to release the delivery of the messages, in all or in part, at any time requested by the user.

15. A device according to claim 13, wherein said assistance means consist of connection means to external information communication network.

ABSTRACT OF THE DISCLOSURE

The invention concerns a mobile device to supply information, notably for tourism, to a user, comprising at least: storage means (1), fragmented into sectors, each said sector corresponding at least to one given geographic location and showing an address, tracking means (2) of said device, capable of delivering so-called positioning information, corresponding to the location wherein said device is situated, processing means (4), capable of drawing up a reading instruction containing at least the address of the sector of the information to be supplied in relation at least said positioning information, on the basis of one or several correspondence tables (6, 6') comprised in said device and associating at least the address of said sector and said positioning information regarding the same geographic location, reading means (7) at least information contained in the sector showing the address of said reading instruction, which is delivered to them by said processing means (4), so-called information selected, playing means (9), capable of transmitting said selected information, in order to supply to the user messages regarding at least the location where they are.



2/2

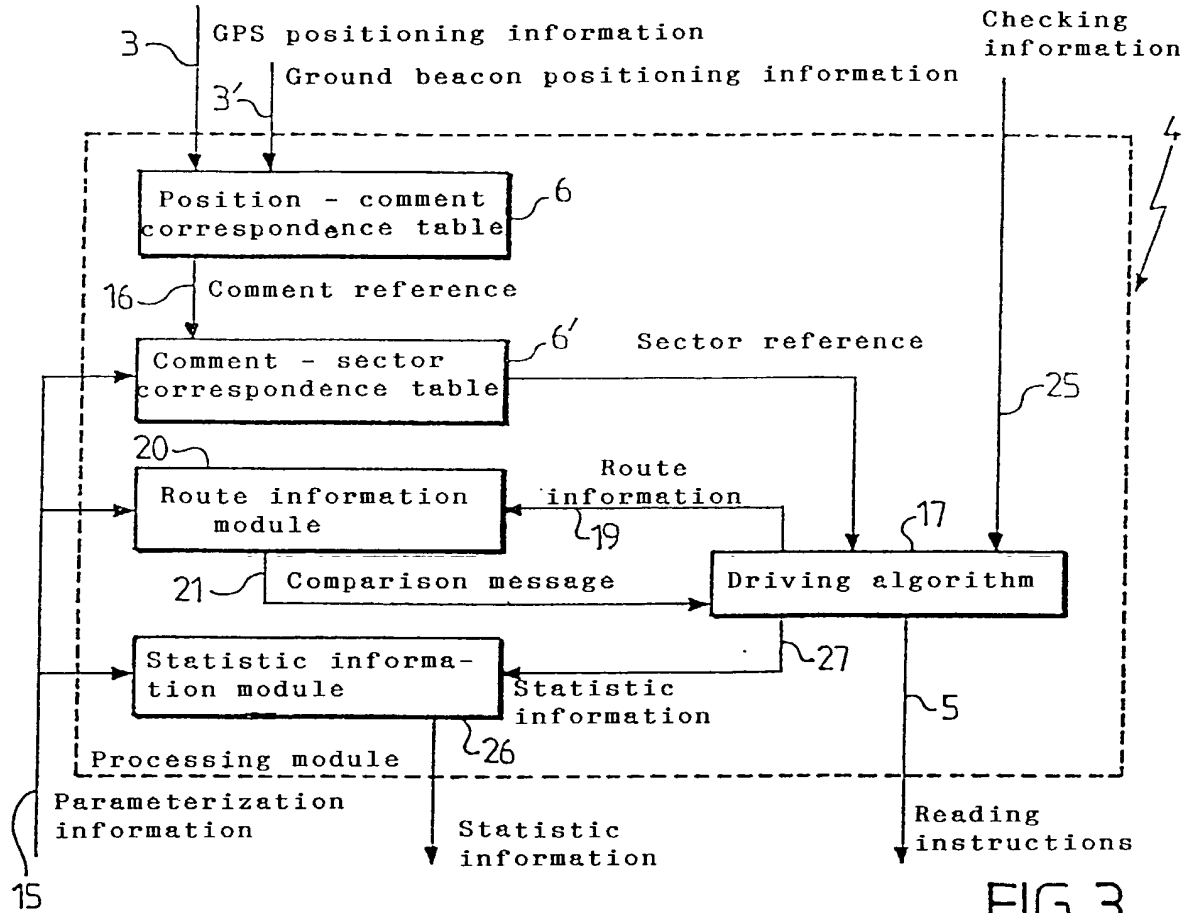


FIG.3

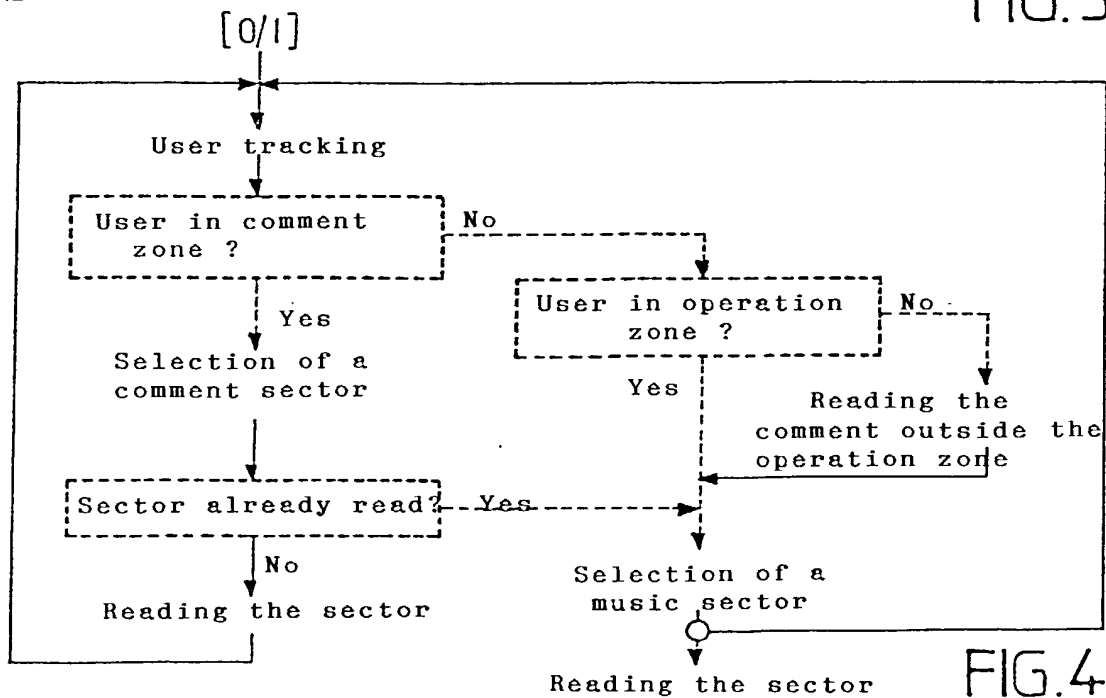


FIG.4

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~~XXXXXXXXXX~~ 412 Main St.  
HOUSTON, TEXAS 77002  
U.S.A.

10088043 061000

19 JUN 2002

107088043

## Declaration and Power of Attorney For Patent Application Declaration Pour Demandes de Brevets Avec Pouvoirs French Language Declaration

En tant qu'inventeur nommé ci-après, Je déclare par le présent acte que:

Mon nom, mon domicile, mon adresse postale, ma nationalité sont ceux qui figurent ci-après,

Je déclare que je crois être l'inventeur original, premier et unique (si un seul nom figure sur le présent acte) ou un des co-inventeurs, originaux et premiers (si plusieurs noms figurent sur le présent acte) du sujet revendiqué et pour lequel un brevet est demandé sur la base de l'invention intitulée:

dont la description  
(cocher la case correspondante)

☐ est annexée au présent acte.

☐ a été déposée \_\_\_\_\_

Numéro de série de la demande \_\_\_\_\_

et modifiée le \_\_\_\_\_  
(si approprié)

Je déclare par le présent acte avoir examiné et compris le contenu de la description identifiée ci-dessus, revendications y compris, et le cas échéant telle que modifiée par l'amendement cité plus haut.

Je reconnais le devoir de divulguer l'information qui est en rapport avec l'examen de cette demande selon Titre 37 du Code des Règlements Fédéraux §1.56(a).

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

PORTABLE DEVICE SUPPLYING

TOURIST INFORMATION

the specification of which  
(check one)

☐ is attached hereto.

☒ was filed on 14 Sep. 2000 as

Application Serial No. PCT/FR00/02550

and was amended on \_\_\_\_\_  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

## French Language Declaration

Je revendique par le présent acte le bénéfice de priorité étrangère selon Titre 35, du Code des Etats-Unis, §119 de toute demande de brevet ou d'attestation d'inventeur énumérée ci-après, et j'ai identifié également ci-après toute demande étrangère de brevet ou d'attestation d'inventeur ayant une date de dépôt antérieure à celle de la demande pour laquelle la priorité est revendiquée.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed

Prior foreign applications

Demande(s) de brevet antérieure(s) dans un autre pays:

99/11795

France

16 Sep. 1999

(Number)  
(Numéro)

(Country)  
(Pays)

(Day Month Year Filed)  
(Jour Mois Année de dépôt)

Priority claimed

Droit de priorité  
revendiqué

☒ Yes  
Oui

☐ No  
Non

(Number)  
(Numéro)

(Country)  
(Pays)

(Day Month Year Filed)  
(Jour Mois Année de dépôt)

☐ Yes  
Oui

☐ No  
Non

(Number)  
(Numéro)

(Country)  
(Pays)

(Day Month Year Filed)  
(Jour Mois Année de dépôt)

☐ Yes  
Oui

☐ No  
Non

Je revendique par le présent acte, le bénéfice selon Titre 35 du Code des Etats-Unis, §120 de toute(s) demande(s) américaine(s) énumérée(s) ci-après et, dans la mesure où le sujet de chacune des revendications de cette demande n'est pas divulgué dans la demande américaine antérieure, de la façon définie par le premier paragraphe de Titre 35 du Code des Etats-Unis, §112, je reconnais le devoir de divulguer l'information pertinente selon Titre 37 du Code des Règlements Fédéraux, §1.55(a), toute information qui se présente entre la date de dépôt de la demande antérieure et la date de dépôt de la demande, soit nationale, soit internationale PCT.

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.55(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)  
(No. de Demande)

(Filing Date)  
(Date de Dépôt)

(Etat)  
(brevetée, pendante,  
abandonnée)

(Status)  
(patented, pending,  
abandoned)

(Application Serial No.)  
(No. de Demande)

(Filing Date)  
(Date de Dépôt)

(Etat)  
(brevetée, pendante,  
abandonnée)

(Status)  
(patented, pending,  
abandoned)

Je déclare par le présent acte que toutes mes déclarations, à ma connaissance, sont vraies et que toutes les déclarations faites à partir de renseignements ou de suppositions, sont tenues pour être vraies; de plus, toutes ces déclarations ont été faites en sachant que de fausses déclarations volontaires ou autres actes de même nature sont sanctionnées par une amende ou un emprisonnement, ou les deux, selon la Section 1001, du Titre 18 du Code des Etats-Unis et que de telles déclarations délibérément fausses peuvent compromettre la validité de la demande ou du brevet délivré.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

## French Language Declaration

POUVOIR: En tant qu'inventeur, je désigne l'(les) avocat(s) et/ou l'(les) agent(s) suivant(s) pour poursuivre la procédure de cette demande et traiter toute affaire la concernant supris du Bureau des Brevets et de Marques:

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

Customer No. 24106

JOHN S. EGBERT [Reg. No. 30,627]

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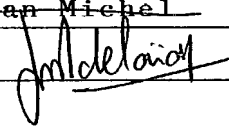
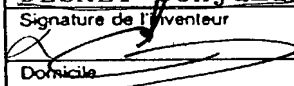
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Nom complet du seul ou premier inventeur <u>ADELAIDE Jean Michel</u>	Full name of sole or first inventor <u>Jean-Michel ADELAIDE</u>
Signature de l'inventeur  Date <u>11<sup>th</sup> March 2002</u>	Inventor's signature _____ Date _____
Domicile _____	Residence <u>St. Julien les Villas, France</u>
Nationalité _____	Citizenship <u>French</u> <b>FRX</b>
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Nom complet du second co-inventeur, le cas échéant <u>DESMET Benjamin</u>	Full name of second joint inventor, if any <u>Benjamin DESMET</u>
Signature de l'inventeur  Date <u>11<sup>th</sup> March 2002</u>	Second Inventor's signature _____ Date _____
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(Fournir les mêmes renseignements et la signature de tout co-inventeur supplémentaire.)

(Supply similar information and signature for third and subsequent joint inventors.)

(One page of additional inventors)

## French Language Declaration

POUVOIR: En tant qu'inventeur, je désigne l'(les) avocat(s) et/ou l'(les) agent(s) suivant(s) pour poursuivre la procédure de cette demande et traiter toute affaire la concernant auprès du Bureau des Brevets et de Marques.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

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## Third Inventor

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PEINTRE Jean-Marc	Jean-Marc PEINTRE
Signature de l'inventeur	Inventor's signature
Date	Date
Domicile	Residence
Nationalité	Citizenship
Adresse Postale	Post Office Address
Nom complet du co-inventeur, le cas échéant	Full name of joint inventor, if any
Signature de l'inventeur	Second Inventor's signature
Date	Date
Domicile	Residence
Nationalité	Citizenship
Adresse Postale	Post Office Address

(Fournir les mêmes renseignements et la signature de tout co-inventeur supplémentaire.)

(Supply similar information and signature for third and subsequent joint inventors.)

(Page 1 of 1 additional page of inventors)